

## ST8-HB4 21 W/840 1200 mm

### SubstiTUBE Basic | Tubular LED lamps



#### Areas of application

- Cooling and storage rooms
- Corridors, stairways, parking garages
- Ideal for simple lighting tasks

#### Product benefits

- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Energy savings of up to 65 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Correct operation even at low temperatures

#### Product features

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Uniform illumination
- Wide beam angle: 160° x 120°
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20



Technical data

Electrical data

Rated luminous flux	2100 lm
Nominal wattage	21.0 W
Rated wattage	21.00 W
Nominal voltage	220 V
Operating frequency	50...60 Hz
Nominal current	0.094 A
Power factor $\lambda$	> 0.90

Photometrical data

Light color as per EN 12464-1	Cool White
Color temperature	4000 K
Nominal luminous flux	2100 lm

Light technical data

Beam angle	150 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	150.00 °

Dimensions & weight



Overall length	1213 mm
Length	1213 mm
Tube diameter	27.5 mm
Base diameter	27.5 mm
Product weight	260.00 g
Maximum diameter	28.0 mm

## Product datasheet

### Temperatures

Ambient temperature range	-20...+45 °C
Temperature range in operation	-20...75 °C
Temperature range at storage	-20...80 °C

### Lifespan

Nominal lamp life time	40000 h
Rated lamp life time	40000 h
Lumen main.fact.at end of nom.life time	0.70
Number of switching cycles	200000

### Additional product data

Base (standard designation)	G13
Mercury-free	Yes
New article	NEW

### Capabilities

Dimmable	No
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### Certificates & standards

Standards	CE
Energy efficiency class	A+
Energy consumption	26 kWh/1000h

### Country specific categorizations

ILCOS	DR-20/840-G13-27.5/1200
Order reference	ST8-HB4-210 21W

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899922518	ST8-HB4 21 W/840 1200 mm	Shipping carton box 25	1335 mm x 191 mm x 207 mm	52.78 dm <sup>3</sup>	9540.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### References / Links

## Product datasheet

For current information see

▶ [www.osram.com/substitute](http://www.osram.com/substitute)

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.